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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/643,738	08/23/2000	KAZUNORI HORIKIRI	107102	2530

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EXAMINER
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WON, YOUNG N

ART UNIT	PAPER NUMBER
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2155

DATE MAILED: 10/22/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/643,738

Applicant(s)

HORIKIRI, KAZUNORI

Examiner

Young N Won

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 August 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. Claims 1-10 have been examined and are pending with this action.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Reed et al. (US 6044205A).

#### **INDEPENDENT:**

As per claim 1, Reed teaches of a remote procedure calling (see col.16, line 45-51) expression generation system (see Fig.12) for generating a remote procedure

calling expression for requesting a service (see col.11, lines 18-22 & 56-63) composed by combining plural procedures in a resource space (see col.6, lines 36-38) in which a resource object and a procedure for processing the resource object are distributed (see abstract and summary), the system comprising: plural hyperobject means (see Fig.12; col.6, lines 50-61; and col.12, lines 42-47), each of which comprising: procedure calling expression generation rule storage means (see Fig.3 and col.12, lines 39-60) for storing a procedure calling expression generation rule (see col.13, lines 18-19 and col.16, lines 22-54) for generating a procedure calling expression (see col.13, lines 38-46; col.14, line 66 to col.15, line 12; and col.15, lines 21-24); one or more attribute storage means (see Fig.3 and col.12, lines 39-60) for storing an attribute value (see Fig.3, #112 and col.13, lines 14-26); and link storage means (see Fig.3 and col.12, lines 39-60) for storing one or more pieces of link information of the other hyperobject means (see col.15, lines 13-20), wherein the procedure calling expression generation rule stored in the procedure calling expression generation rule storage means is composed of a character string according to a predetermined syntax rule for describing one or more generation rule elements composed of a reference to the attribute value and/or a reference to a result of the generation of the procedure calling expression in linked hyperobject means.

As per claim 4, Reed teaches of a remote procedure calling (see col.16, line 45-51) expression generation system (see Fig.12) for generating a URL for requesting a service (see col.11, lines 18-22 & 56-63) composed by combining plural procedure servers (see col.7, line 30) in a WWW resource space (see col.6, lines 36-38) in which

an HTTP object and a procedure for processing the HTTP object are distributed (see abstract and summary), the system comprising: plural hyperobject means (see Fig.12; col.6, lines 50-61; and col.12, lines 42-47), each of which comprising: URL generation rule storage means (see Fig.3 and col.12, lines 39-60) for storing a URL generation rule (see col.13, lines 18-19 and col.16, lines 22-54) for generating a URL as a procedure calling expression (see col.13, lines 38-46; col.14, line 66 to col.15, line 12; and col.15, lines 21-24); one or more attribute storage means (Fig.3 and see col.12, lines 39-60) for storing an attribute value (see Fig.3, #112 and col.13, lines 14-26); and link storage means (see Fig.3 and col.12, lines 39-60) for storing one or more pieces of link information of the other hyperobject means (see col.15, lines 13-20), wherein the URL generation rule stored in the URL generation rule storage means is composed of a character string according to a predetermined syntax rule for describing one or more URL generation rule elements composed of a reference to the attribute value and/or a reference to a result of the generation of the URL in linked hyperobject means.

As per claim 6, Reed teaches a hyperobject (see Fig.12; col.6, lines 50-61; and col.12, lines 42-47) for generating a remote procedure calling (see col.16, line 45-51) expression for requesting a service (see col.11, lines 18-22 & 56-63) composed by combining plural procedures in a resource space (see col.6, lines 36-38) in which a resource object and a procedure for processing the resource object are distributed (see abstract and summary), the hyperobject comprising: procedure calling expression generation rule storage means (see Fig.3 and col.12, lines 39-60) for storing a procedure calling expression generation rule (see col.13, lines 18-19 and col.16, lines

22-54) for generating a procedure calling expression (see col.13, lines 38-46; col.14, line 66 to col.15, line 12; and col.15, lines 21-24); one or more attribute storage means (see Fig.3 and col.12, lines 39-60) for storing an attribute value (see Fig.3, #112 and col.13, lines 14-26); and link storage means (see Fig.3 and col.12, lines 39-60) for storing one or more pieces of link information of the other hyperobjects (see col.15, lines 13-20), wherein: the procedure calling expression generation rule stored in the procedure calling expression generation rule storage means is composed of a character string according to a predetermined syntax rule for describing one or more generation rule elements composed of a reference to an attribute value and/or a reference to a result of the generation of the procedure calling expression in a linked hyperobject.

As per claim 9, Reed teaches a hyperobject (see Fig.12; col.6, lines 50-61; and col.12, lines 42-47) for generating a URL for requesting a service (see col.11, lines 18-22 & 56-63) composed by combining plural procedure servers (see col.7, line 30) in a WWW resource space (see col.6, lines 36-38) in which an HTTP object and a procedure for processing the HTTP object are distributed (see abstract and summary), the hyperobject comprising: URL generation rule storage means (see Fig.3 and col.12, lines 39-60) for storing a URL generation rule (see col.13, lines 18-19 and col.16, lines 22-54) for generating a URL as a procedure calling expression (see col.13, lines 38-46; col.14, line 66 to col.15, line 12; and col.15, lines 21-24); one or more attribute storage means (see Fig.3 and col.12, lines 39-60) for storing an attribute value (see Fig.3, #112 and col.13, lines 14-26); and link storage means (see Fig.3 and col.12, lines 39-60) for storing one or more pieces of link information of the other hyperobjects (see col.15,

lines 13-20), wherein the URL generation rule stored in the URL generation rule storage means is composed of a character string according to a predetermined syntax rule for describing one or more URL generation rule elements composed of a reference to the attribute value and/or a reference to a result of the generation of the URL in a linked hyperobject (see col.13, lines 16-18, 29-31, and 38-46; col.16, lines 1-53; and col.29, lines 40-48).

DEPENDENT:

As per claims 2, 5, 7, and 10, Reed further teaches wherein the hyperobject means is activated in response to a request for generating the procedure calling expression or URL (see col.11, lines 18-25), the hyperobject of the system further comprising: URL generation rule element extracting means for interpreting the procedure calling expression generation rule or URL generation rule stored in the procedure calling expression URL generation rule storage means according to the predetermined syntax rule and extracting the URL generation rule element (see claim 1 rejection above; col.2, lines 25-45; and col.16, lines 43-52); means for searching the attribute storage means if the extracted generation rule element is the reference to the attribute value (see col.18, lines 2-6) and substituting a corresponding attribute value for the URL generation rule element (see col.23, lines 9-16); and means for issuing the request for generating the procedure calling expression or URL to the linked hyperobject means if the extracted URL generation rule element is the reference to the result of the generation of a procedure calling expression or URL in the linked hyperobject means and substituting the result of the generation of the procedure calling

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expression or URL by the linked hyperobject means for the URL generation rule element (see col.15, lines 13-20).

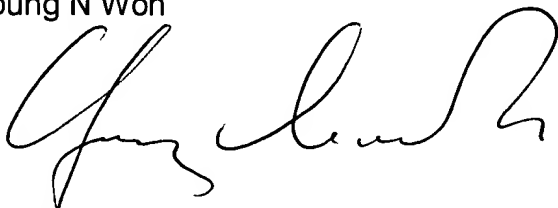
As per claims 3 and 8, Reed further teaches wherein the hyperobject is an object-oriented program for generating a hypertext (see col.12, lines 42-47).

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Young N Won whose telephone number is 703-605-4241. The examiner can normally be reached on M-Th: 8AM-6PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T Alam can be reached on 703-308-6662. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Young N Won



October 14, 2003



**HOSAIN ALAM**  
**SUPERVISORY PATENT EXAMINER**